

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A solid-bowl centrifuge comprising:
a centrifugal drum rotatable about a horizontal axis of rotation, the centrifugal drum including a weir to drain a liquid out of the centrifugal drum, the weir including a passage having at least one passage opening in an axial end region of the centrifugal drum that includes a drum lid;
a ~~an~~ annular deflector plate arranged outside the centrifugal drum and in front of the drum lid, the deflector plate being stationary during an operation of the centrifugal drum and widening at least in sections as the deflector plate extends away from the centrifugal drum; and
the deflector plate including an interior jacket and having a radially innermost edge upstream of the at least one passage opening of the weir such that liquid exiting the drum is directed away from the drum lid, and a distance of the interior jacket from the horizontal axis of rotation not being constant but widening.
2. (Previously Presented) The solid-bowl centrifuge according to Claim 1, wherein an annular gap is formed between the weir and an orifice plate outside the centrifugal drum, which annular gap is one of completely and partially surrounded over its axial dimension by the widening deflector plate.
3. (Previously Presented) The solid-bowl centrifuge according to Claim 1, wherein on the interior jacket, the widening deflector plate has an opening angle γ with respect to a plane extending perpendicular to the horizontal axis of rotation, which opening angle γ is greater than 0° and smaller than 90° .
4. (Previously Presented) The solid-bowl centrifuge according to Claim 1, wherein the deflector plate has a conically widening shape.

5. (Previously Presented) The solid-bowl centrifuge according to Claim 1, wherein the liquid first flows axially to an outside from the centrifugal drum until the liquid impacts on one of a wall and plate, from which the liquid essentially sprays radially to the outside and impacting upon the widening deflector plate which prevents the exiting liquid from arriving directly radially on walls of a collecting chamber.

6. (Previously Presented) The solid-bowl centrifuge according to Claim 1, wherein the widening deflector plate at the interior jacket has an angle of $90^\circ - \gamma$ with respect to the axis of rotation of the centrifugal drum, which angle is greater than 0° and smaller than 90° .

7. (Previously Presented) The solid-bowl centrifuge according to Claim 1, wherein a smallest inside diameter of the deflector plate is larger than an outside diameter on which the at least one passage opening is arranged.

8. (Previously Presented) The solid-bowl centrifuge according to Claim 1, wherein the deflector plate axially directly adjoins the at least one passage opening.

9. (Previously Presented) The solid-bowl centrifuge according to Claim 1, wherein a projection, which protrudes axially from the drum lid, is formed at the at least one passage opening, the deflector plate axially overlapping the projection.

10. (Previously Presented) The solid-bowl centrifuge according to Claim 3, wherein the opening angle γ of the deflector plate is between 5 and 45° .

11. (Previously Presented) The solid-bowl centrifuge according to Claim 3, wherein the opening angle γ of the deflector plate is between 10 and 30° .

12. (Previously Presented) The solid-bowl centrifuge according to Claim 3, wherein the opening angle γ of the deflector plate is constant.

13. (Previously Presented) The solid-bowl centrifuge Claim 3, wherein the opening angle γ of the deflector plate changes over one of its axial dimension and in a circumferential direction.

14. (Previously Presented) The solid-bowl centrifuge according to Claim 3, wherein the opening angle γ of the deflector plate changes one of continuously and suddenly, and is enlarged over an axial dimension of the deflector plate.

15. (Previously Presented) The solid-bowl centrifuge according to Claim 1, wherein the deflector plate includes multiparts.

16. (Previously Presented) The solid-bowl centrifuge according to Claim 1, wherein a distance between the at least one passage opening and an orifice plate is variable.

17. (Previously Presented) The solid-bowl centrifuge according to Claim 1, further comprising a rotatable screw arranged in the centrifugal drum.

18. (Previously Presented) The solid-bowl centrifuge according to Claim 1, wherein the deflector plate is fastened to a surrounding wall by bolts in an axial orientation.

19. (Previously Presented) The solid-bowl centrifuge according to Claim 1, wherein the deflector plate is fastened to a surrounding wall by bolts in a radial orientation.

20. (Previously Presented) The solid-bowl centrifuge according to Claim 1, wherein the deflector plate is fastened to a surrounding wall by a ring.

21. (Previously Presented) The solid-bowl centrifuge of Claim 1, wherein an annular gap is formed between the weir and a ring plate outside the centrifugal drum, which annular gap is one of completely and partially surrounded over its axial dimension by the widening deflector plate.